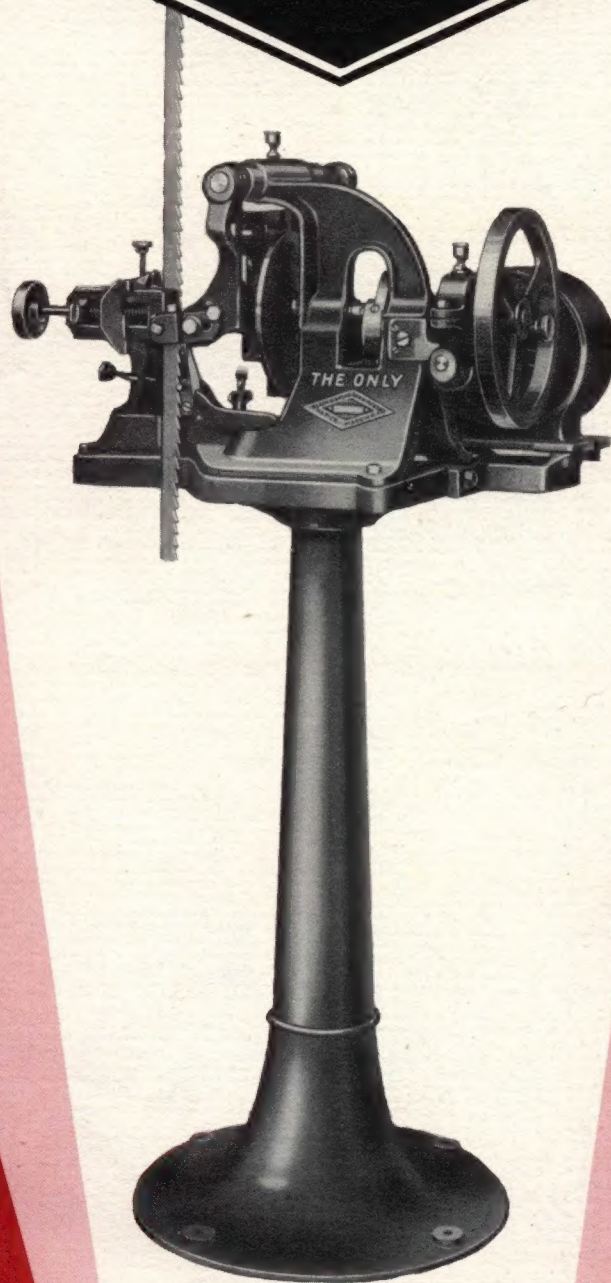
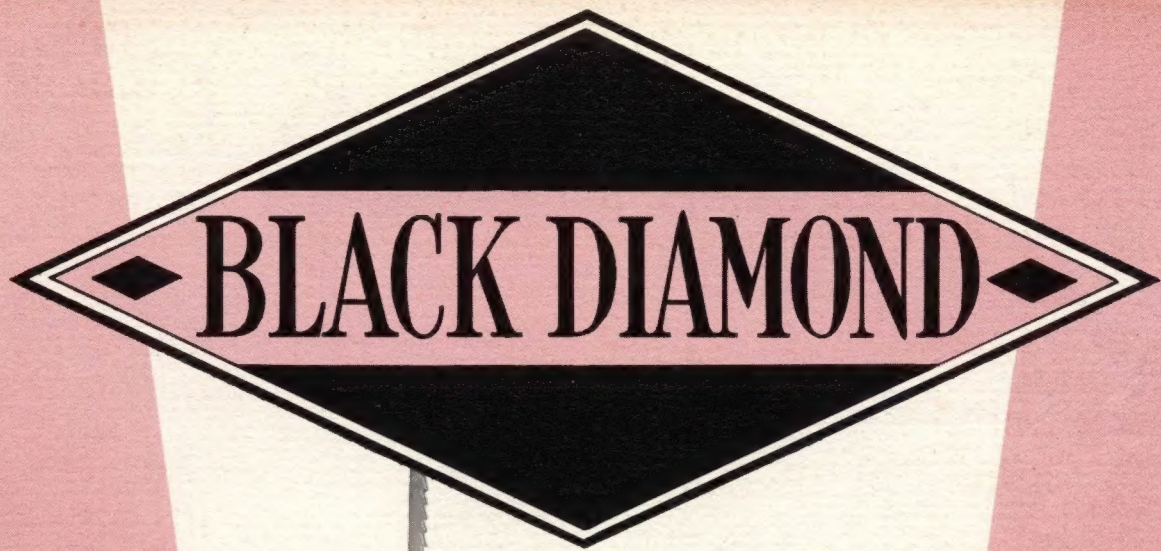


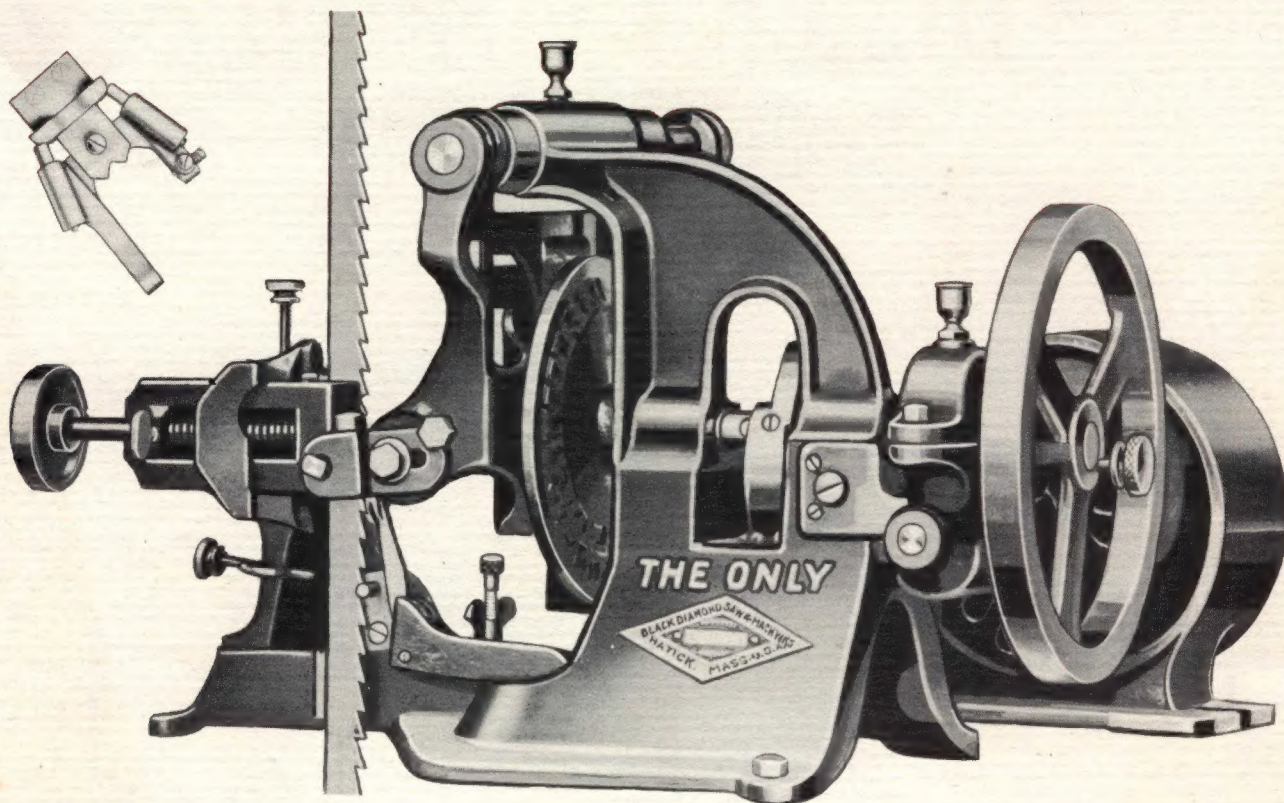


BAND SAW FILING & SETTING MACHINES
CIRCULAR SAW & KNIFE GRINDERS
BAND SAW GUIDES



BLACK D

BAND SAW FILING & SETTING MACHINES

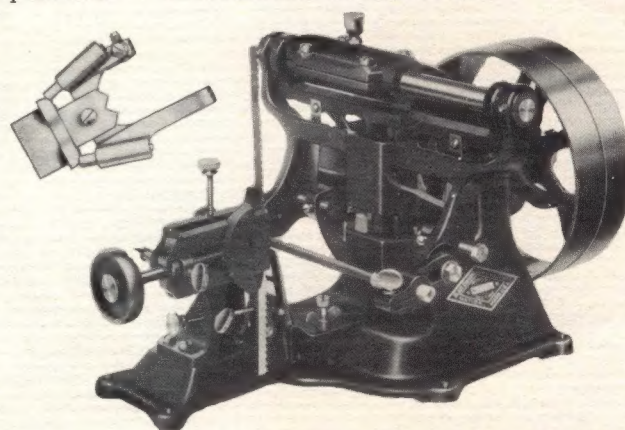


MANY manufacturing plants throughout the country, in which Band Saws are used extensively, have discarded the slow, laborious and expensive method of hand filing and setting, in favor of the modern, highly efficient Black Diamond Band Saw Filing and Setting Machine.

Once the machine is adjusted to any particular saw — a quick, simple operation — the machine operates automatically thus permitting the operator to attend other work — a real saving of time and labor.

In action the machine accurately sets the teeth then files each and every tooth with exactly the same sharp point and pitch, two precision operations which insure smooth, accurate sawing. The saw blade passes through the machine vertically, therefore, very little floor space is required — approximately one square yard. The machine uses slim taper or taper files the same as used in hand filing.

Users of Black Diamond Machines claim not only greater efficiency and less breakage of band saw blades, but that savings of 50% to 75% can be made on filing operations — a worthwhile consideration.



BENCH TYPE — BELT DRIVE

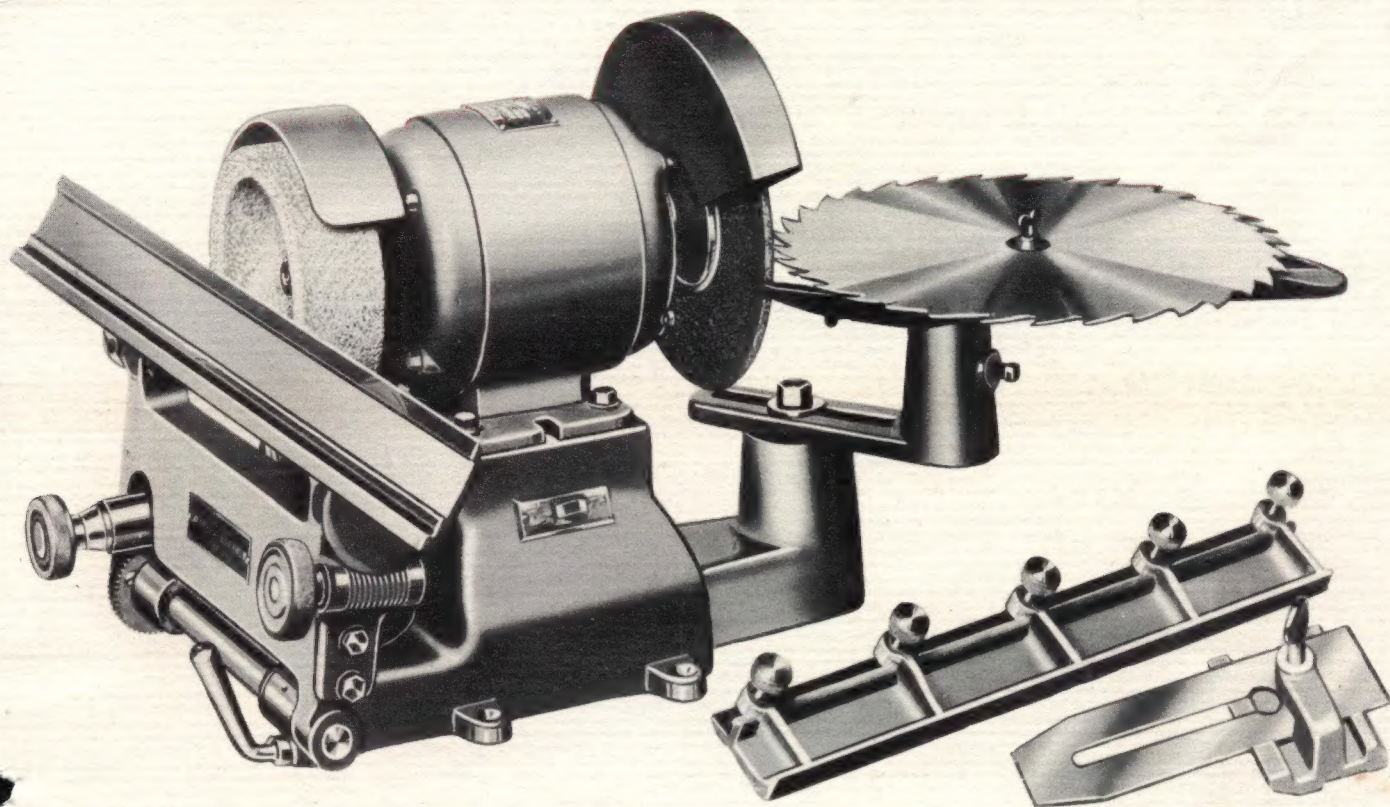
SIZES and PRICES					BENCH TYPE				FLOOR PEDESTAL TYPE			
No.	Width of Saws	Feed Pts. per in.	Pulleys Tight and Loose	Speed R.P.M.	BELT DRIVE		MOTOR DRIVE		BELT DRIVE		MOTOR DRIVE	
					Weight in lbs.	Net Price	Weight in lbs.	Net Price	Weight in lbs.	Net Price	Weight in lbs.	Net Price
1	$\frac{1}{16}$ to $1\frac{1}{2}$	3 to 12	$9 \times 1\frac{1}{4}$	70	60	\$94.50	85	\$140.00	150	\$126.00	175	\$171.50
2	$\frac{1}{16}$ to $2\frac{1}{2}$	2 to 12	$9 \times 1\frac{1}{4}$	70	65	100.00	90	146.50	155	131.50	180	178.00

BLACK DIAMOND SAW & MACHINE W

DIAMOND



CIRCULAR SAW & KNIFE GRINDERS



THE Black Diamond Combined Circular Saw Grinder and Knife Grinder is a moderately priced, semi-automatic, motor-driven machine, designed to do a precision grinding job on both saws and knives.

The SAW GRINDER will sharpen circular saws from 5 inches to 22 inches in diameter, any shaped teeth from 4 per inch to 2-inch spaced and will grind saws with a speed and accuracy unexcelled by any other machine, regardless of cost.

After grinding, saws will be found to be perfectly round, with every tooth a cutting tooth, thus obviating jointing the saw on its arbor. Teeth are ground straight across forming points that stay sharp longer and eliminate non-

cutting drag in center. Each tooth will have the same pitch and each gullet will be true and uniform.

The KNIFE GRINDER will grind both laminated and high speed knives, with thick or thin, straight or concave blades up to 24 inches in length, as well as all sizes of Plane Irons and Chisels.

The Knife Grinder Table has two worm gear adjustments for quickly obtaining any desired degree of bevel and the semi-circular track in the base permits grinding against the edge of the cup wheel for a concave bevel.

All types of knives are ground with true, even edges and backs, thus insuring better balanced blades.

Grinding Wheels for both saws and knives are used dry and work is fed by hand.

SPECIFICATIONS — COMBINED SAW AND KNIFE GRINDER

CAPACITY: Circular Saws, 5 inches to 22 inches diameter. Knives, up to 24 inches in length. Chisels and Plane Irons, all sizes.

GRINDING WHEELS: For Circular Saws, 8" diameter, $\frac{1}{4}$ ", $\frac{3}{8}$ " or $\frac{1}{2}$ " thick. For knives — 6" diameter cup wheel.

MOTOR: $\frac{1}{4}$ H.P. 3400 RPM, AC or DC single phase, 110 or 220 volts.

SPACE REQUIRED: 24" x 12" bench space.

STANDARD EQUIPMENT: Includes grinding wheels and special clamps for holding Knives, Plane Irons and Chisels, as illustrated.

WEIGHT: 125 pounds boxed for shipment.

PRICE: \$144.50 F.O.B. Factory.

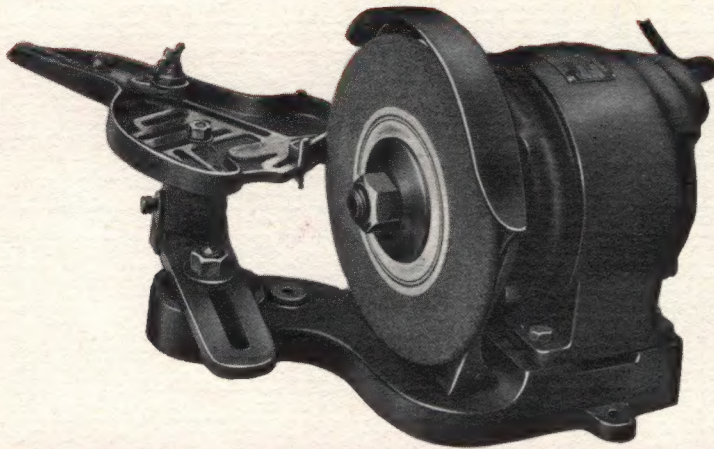
PEDESTAL: Bell shaped floor pedestal with 17" diameter round base, is available on order. Price \$31.50.

WORKS, INC. NATICK, MASSACHUSETTS

• Band Saw Filing & Setting Machines • Circular Saw & Knife Grinders • Band Saw Guides •

BLACK DIAMOND

BENCH TYPE CIRCULAR SAW GRINDERS



SPECIFICATIONS — CIRCULAR SAW GRINDER

CAPACITY: Circular Saws, 5 to 22 inches.

GRINDING WHEELS: 8 inches diameter, $\frac{1}{4}$ " , $\frac{3}{8}$ " or $\frac{1}{2}$ " thick.

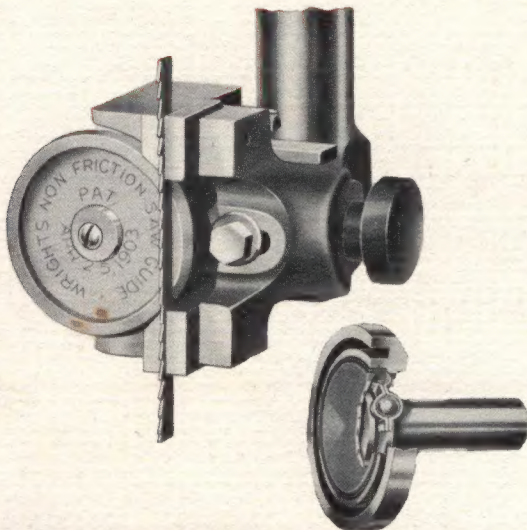
MOTOR: $\frac{1}{4}$ H.P. 3400 RPM, AC or DC single phase, 110 or 220 volts.

SPACE REQUIRED: 18" x 12" bench space.

WEIGHT: 54 pounds, packed for shipment.

PRICE: \$77.50 F. O. B. Factory.

WRIGHT GUIDES Plain and Ball Bearing - 3 Sizes

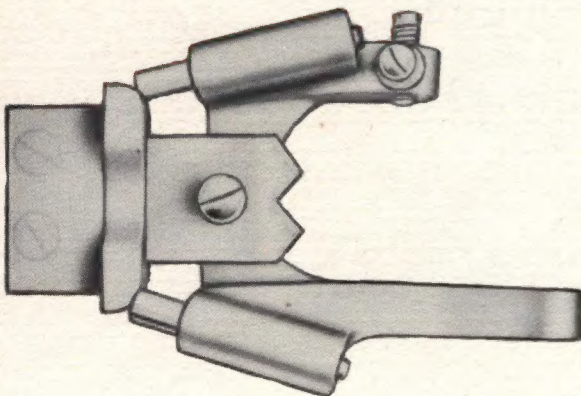


Wright Band Saw Guides are essential equipment for any type of Band Saw Machine. Either Plain or Ball-bearing type will fit any machine now in use and either one or the other is included as standard equipment on 75% of the Band Saw Machines on the market today.

The Wright Ball-bearing Guide, reduces friction on the back of the saw to an absolute minimum, thus the life of the saw is prolonged and up-keep on guides greatly reduced. The Wright guide is easy running, dust proof, non-friction and easy to oil.

Number 0	Lower guide for saws $\frac{1}{8}$ to $1\frac{1}{4}$ inches Can also be used as Upper Guide on small machines.	Price \$11.50
Number 1	For saws $\frac{1}{8}$ to $1\frac{1}{2}$ inches	Price \$13.80
Number 2	For saws $\frac{1}{4}$ to $2\frac{1}{2}$ inches	Price \$17.25
Number 00	Special Guide for small machines for saws $\frac{1}{8}$ to $\frac{1}{2}$ inches	Price \$ 9.20

SETTING ATTACHMENT for Band Saw Filing & Setting Machine



This New Plunger-type Setting Attachment is constructed with two steel plungers which are actuated by compression springs, a major improvement over the tension spring style formerly used. It definitely solves the previously troublesome problem of spring breakage and greatly improves the efficiency of the machine as a whole.

The new attachment is easily and quickly installed in place of the old style, and is standard equipment on all new machines. We strongly recommend replacement of the old style attachment with this new compression spring plunger type.

Price \$10.00 F. O. B. Factory